	Application No.	Applicant(s)		
Notice of Allowability	09/695,306	LIMEMOTO SELIL	UMEMOTO, SEIJI	
	Examiner	Art Unit		
	Jacob Y Choi	2875	Phy	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in ) or other appropriate common IGHTS. This application is s	n this application. If not include unication will be mailed in due of	d course. <b>THIS</b>	
1. This communication is responsive to 10/08/2004.				
2. 🖾 The allowed claim(s) is/are <u>1-12</u> .				
3. 🗵 The drawings filed on 07 November 2002 are accepted by	the Examiner.			
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority una)  All b)  Some* c)  None of the: <ol> <li>Certified copies of the priority documents have</li> <li>Certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).</li> </ol> </li> <li>* Certified copies not received:</li> </ul> Applicant has THREE MONTHS FROM THE "MAILING DATE"	e been received. e been received in Application ocuments have been receive	on No d in this national stage applicati		
noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	MENT of this application.			
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv</li> </ol>			OTICE OF	
6. CORRECTED DRAWINGS ( as "replacement sheets") must	st be submitted.			
(a) including changes required by the Notice of Draftspers	-	w ( PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		in the Office and a		
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment of	r in the Office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	l.84(c)) should be written on t the header according to 37 CF	he drawings in the front (not the	back) of	
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MAT	ERIAL must be submitted. N	ote the	
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	6. ☐ Interview S Paper No 08), 7. ☐ Examiner's	formal Patent Application (PTC ummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allow	·	

## **DETAILED ACTION**

## Response to Arguments

1. Applicant's arguments, see Appeal Brief pages 5-7, filed 10/08/2004, with respect to claims 1, 5, 9, & 10 have been fully considered and are persuasive. The claim rejection under 35 USC § 103 of 04/16/2004 has been withdrawn.

## Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

First, the claims recite a linear light source having an effective light emission region, which is longer than a longitudinal length of the incidence side surface.

Sonehara (USPN 4,870,484) does show a light source that is longer than a longitudinal length of an incidence side surface of a light pipe (Figure 9A) but fails to explicitly disclose advantage of such a structure for the particular front lighting system.

Second, the claims recite a specific detail structure of a plane light source unit comprising the light output means of the light pipe has a repetitive structure of prism-like irregularities arranged at intervals of a pitch in a range of from 50µm to 1 mm, each of the prism-like irregularities being constituted by a combination of a short side surface and a long side surface, the short side surface is made of a slope inclined down from the incidence the surface toward an end side opposite to the incidence side surface at an inclination angle in a range of from 30 to 45 degrees with respect to a reference

plane of the lower surface, and the long side surface is made of a slope having an inclination angle in a range of from 0-10 degrees with respect to the reference plane, so that a difference between the inclination angle is not larger than 5 degrees as a whole, the difference between the inclination angle of adjacent long side surfaces is not larger than 1 degree, and a projected area of the long side surface on the reference plane is not smaller than give times as large as that of the short side surface.

Because none of the reference disclosed the combination of a linear light source having an effective light emission region, which is longer than a longitudinal length of the incidence side surface with a detailed structure of the light pipe where a repetitive structure (50 µm to 1.0 µm) of prism-like irregularities being constituted by a combination of a short side (30-45 degrees) surface and a long side (0-10 degrees) surface, nor is there any motivation to combine them, the claims deemed patentable over the prior art of record. Claims 1-12 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance.

## Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob Y Choi whose telephone number is (571) 272-2367. The examiner can normally be reached on Monday-Friday (10:00-7:00).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JC

THÖMAS M. SEMBER PRIMARY EXAMINER